

## FLEXIBLE BIO-PROBE ASSEMBLY

## ABSTRACT

5           A method of producing an electrode brain probe  
assembly, using a flexible substrate comprising a  
polymeric layer bearing a conductive material coating.  
Photolithography and electroplating are used to form a  
set of contacts and conductors on the polymeric layer of  
10 the flexible substrate. Also, the flexible substrate is  
shaped to have a distal end and to be at least 5 mm long,  
but less than 5 mm wide and less than 1 mm thick.